



Claims

- 5 1. An evaporator tube for a sea water desalination system, characterized in that it is formed of a steel that is sea water resistant and at the same time acid resistant, and that it has a wall thickness between 0.1 mm and 0.5 mm.
2. The evaporator tube in accordance with Claim 1, characterized in that it is formed
10 of steel having material number 1.4565S in accordance with DIN EN 10 088-2.
3. The evaporator tube in accordance with Claim 1 or 2, characterized in that it has a wall thickness between 0.2 mm and 0.3 mm.
- 15 4. The evaporator tube in accordance with any one of Claims 1 to 3, characterized in that it is formed of a sheet metal and produced by welding.
5. The evaporator tube in accordance with any one of Claims 1 to 4, characterized in
20 that a tube end of the evaporator tube is connected with a tube bottom consisting of a same steel type, in particular by welding.
6. The evaporator tube in accordance with any one of Claims 1 to 5, characterized in that the cross-section of the evaporator tube differs from a circular shape.